

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Abhinav Gupta, et al.

Serial No.: 10/796,217

Filed on: March 8, 2004



Confirmation No.: 2706

Examiner: NYA

Group Art Unit No.: 2171

For: DML STATEMENTS FOR DENSIFYING DATA

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form, if needed. It is respectfully requested that the cited documents be considered and that the enclosed Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

X 37 C.F.R. §1.97(b).

 37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:

 A statement pursuant to 37 C.F.R. §1.97(e)

 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first

cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

 1.97(e)(2) The undersigned hereby states that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

 A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

 37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

 A statement pursuant to 37 C.F.R. §1.97(e)

 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement; OR

 1.97(e)(2) The undersigned hereby states that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

 A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

 37 C.F.R. §1.97(i). Wherein applicants are submitting references before the grant of a patent to be placed in the file but not considered by the Patent office.

- (1) Accordingly, copies of the references as listed on the attached Form PTO 1449 are submitted herewith for placement in the file. No certification or fees are deemed necessary.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302.

Respectfully submitted,

Dated: February 15, 2005

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

February 16, 2005
(Date of Deposit)

Trudy Bagdon

(Typed or printed name of person mailing correspondence)

Trudy Bagdon
(Signature of person mailing correspondence)

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)			ATTY. DOCKET NO. 50277-2328	SERIAL NO. 10/796,217
			APPLICANT: Abhinav Gupta et al.	
			FILING DATE: March 8, 2004	GROUP: 2171

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
		5,557,791		Cheng et al.	09-17-1996	
		6,112,198		Lohman et al.	08-29-2000	
		6,397,214	B1	James P. Rogers	05-28-2002	

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

OTHER ART – NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		International Search Report and Written Opinion from PCT Patent Application No. PCT/US2004/027406 (13 pgs.)	
		Current Claims in PCT Patent Application No. PCT/US2004/027406 (8 pgs)	
		Witkowski, A., et al. "Spreadsheets in RDBMS for OLAP" Proceedings of the ACM SIGMOD 2003 Conference, 9 June 2003 (2003-06-09), pp. 52-63	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 50277-2328	Application Number: 10/796,217
	First Named Inventor: Abhinav Gupta	
	Filing Date: March 8, 2004	

OTHER ART – NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		Gupta, A., et al. "Data Densification in a Relational Database System" Proceedings of the ACM SIGMOD 2004 Conference, 13 June 2004 (2004-06-13), entire document	
		Graefe, G. "Query Evaluation Techniques For Large Databases" ACM COMPUTING SURVEYS USA, Vol. 25, no. 2, June 1993 (1993-06), pp. 73-170	
		Chaudhuri, S., et al. "An Overview Of Data Warehousing And OLAP Technology" SIGMOD RECORD, SIGMOD, New York, NY, US, Vol. 26, no. 1, March 1997 (1997-03), pp. 65-74	
		Jaedicke, Michael, et al. "User-Defined Table Operators: Enhancing Extensibility for ORDBMS" Proceedings 25 th VLDB Conference, Edinburgh, Scotland, 7 September 1999 (1999-09-07), pp. 494-505	
		Chaudhuri, S., "An Overview Of Query Optimization In Relational Systems" Proceedings of the 17 th ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems, PODS 1998, Seattle, WA, June 1-3, 1998; Proceedings of the ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems, New York, NY, June 1, 1998, pp. 34-43	